

		Y1	Y2	Y3	Y4	Y5	Y6
		<i>Building understanding</i>		<i>Expand understanding</i>		<i>Refine and manipulate</i>	
<b>NC Aims</b>		Develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world Build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users Critique, evaluate and test their ideas and products and the work of others Understand and apply the principles of nutrition and learn how to cook.					
<b>Technical Knowledge</b>		Explain how to use & pass scissors safely Explain how to maintain good hygiene when working with food and before eating	Tell an adult simple safety techniques for using hand tools List simple food safety & hygiene procedures	Understand that different stitching techniques lead to different finishes Understand class rules for safe use of equipment	Understand how to cut safely using knives Use knowledge of cm, mm, m to measure accurately Describe key features of running stitch	Know rules for basic food hygiene & other safe practices (use of ovens) Describe key features of cross stitch	Use mathematical knowledge to convert between units of measurement such as grams & kilograms
	<b>Design</b>	Draw on own experience to generate ideas Identify target group for designing and making Model/draft ideas Develop a final design idea using suggestions from earlier efforts	Draw on own and others' experience to generate ideas Develop ideas through discussion, observation, drawing & modelling Identify purpose for design Make simple drawings & label parts	Generate ideas, considering purpose & users Establish criteria for successful product Plan order of work before starting Create drawings with clear labels and present work	Generate ideas, considering purpose & users Make labelled drawings from different views showing specific features Plan how to use materials, equipment & adjust if first attempts fail	Mind-map ideas & identify purpose for their product Draw up a specification for their design Adjust design process based on feedback from others Use results from investigations/ICT research when developing ideas	Communicate ideas verbally & through detailed labelled drawings Develop clear specification Plan order of work, sharing tasks between group members Choose appropriate tools, materials & techniques
<b>Skills</b>	<b>Make</b>	With support, measure, mark out, cut & shape materials Use tools (pins, paperclips, scissors & hole punch) safely Assemble, join & combine materials together using glue, string & tape Use simple finishing techniques to improve appearance of product	Measure, mark, cut & score with some accuracy Begin to select tools & materials; use appropriate vocabulary to describe them Use hand-tools safely Assemble, join & combine materials Cut, shape & join fabric; use simple sewing techniques	Measure, mark, cut, score & assemble with more accuracy Select tools, techniques, materials Work safely & accurately with a range of simple tools Begin to evaluate their work mid-way & adjust as required Measure, tape, pin, cut & join fabric with some accuracy	Measure, mark, cut & shape a range of materials Select & use appropriate tools & techniques independently Join & combine materials temporarily & permanently Sew using running stitch Measure, tape, pin, cut & join fabric	Select & use appropriate tools & techniques safely & independently Work systematically to create a final Measure & mark using finer degrees of measurement Cut & join with accuracy to ensure quality 'finish' to product	Select & use appropriate tools & techniques independently Assemble components independently to make working models Construct products using permanent joining techniques Modify work as they progress Pin, sew & stitch materials
	<b>Evaluate</b>	Evaluate their product by discussing what works well with an adult Answer questions about what they have made & how they have gone about it	With support, evaluate products as they are developed, identifying strengths & improvements Talk about their ideas	Evaluate their product against original design criteria & complete feedback sheet Evaluate familiar products, identifying strengths	Evaluate the work of others & identify criteria which can be used to improve their work Evaluate products, identifying strengths & weaknesses	Evaluate product against original design criteria & suggest ways their product could be improved Seek evaluations from others	Evaluate products, identifying strengths & areas for development Record evaluations using drawings & labels
	<b>Food &amp; Nutrition</b>	Select & use appropriate fruit & vegetables Use basic food handling hygiene & personal practice	Follow safe procedures for food safety & hygiene With prompting, describe key features of a balanced diet	Describe the key features of a balanced diet Understand & follow a simple recipe, with support	Suggest how a given diet could be improved Slice foods safely & accurately	Weigh & measure accurately Apply rules for basic food hygiene & other safe practices (use of ovens)	Follow recipe independently, measuring weights with accuracy
<b>Vocabulary &amp; grammar</b>		Sew, material, felt, wood, card, design, idea, glue, safety, measure		Stitches, running stitch, technical drawing, accuracy, adjust		Specification, Butt Joint, mitre joint, finish, cross stitch	